

Tata Memorial centre

ACTREC

Sub:Replacement of Chilled water pump at service block, ACTREC

Name of Agency						
Sr no	Description	HSN/SAC Code	Unit	Qty	Rate	Total
1	Pump set					
	Supply installation testing and commissioning of centrifugal pumps set factory assembled & tested for rated efficiency complete with TEFC motor EFF1rating, common base frame, mechanical seals, vibration isolators including flexible connections. etc for recirculation of condenser water for the central air conditioning system. The pumps shall be suitable for operation on 415 +/- 10% volts, 50Hz 3ph AC supply. and all other accessories i.e .Base frame, coupling, coupling guard and foundation bolts, etc. require to install & commissioning of pump as per instruction & directed by engineering -in -charge. The pump parameters shall be as given,					
1.1	Head. 40m Capacity .m3 / h 130 Power rating . 40 hp Rpm 1470		Nos	1		-
2	RCC foundation					
	Providing & Casting Reinforced cement concrete For Pump foundation as per specific grade [1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)] consolidation with vibrator & needle of required capacity including finishing Curing,excluding form work, shuttering and steel reinforcement etc. complete all as directed by the Engineer-inCharge. The foundation os to be kept with pockets for Foundation bolt with nuts. The depth of foundation bolt is not less than 300 mm & of M-20 grade. Grouting this foundation bolt with modofied concrete/grout material. Also dismatling of existing foundation is in scope of contractor.		LS	1		-
3	Dismantling of Existing Pump set, pipe line , valves, foundation etc. from the service Block and to be keep as per instructions & as directed by O-I-C, ES.		LS	1		-
4	Modification in Chilled water piping work: Modification in existing piping work of inlet/outlet water line using class 'C' MS as per IS :1239 pipes, nominal sizes of chilled water piping inside the building (with necessary clamps, vibration isolators and fittings but excluding valves, strainers, gauges etc.) duly insulated with following closed cell elastometric nitrile rubber of minimum 45 Kg / cu m density, thermal conductivity 0.037 W/MK or better at 20 deg mean temperature class 'O' insulation applied by suitable adhesive complete including repairing of damage to building etc. as per specifications and as required complete in all respect.. as per requirement, all as per specifications, instructions & as per directions of O-I-C, ES.					
4.1	125mm class 'c' MS pipes with 32mm thick insulation		Rmt	2		-
4.2	150 mm class 'c' MS pipes with 32 mm thick insulation		Rmt	2		-
5	Butterfly valves :Supplying, fixing, testing and commissioning of following butterflyvalves in the chilled water plumbing duly insulated to the same specifications as the connected piping and adequately supported as per specifications. Butterfly Valve(Mannual) with C I body SS Disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water circulation as specified					
5.1	Butterfly valve of 125 mm		Nos	1		-
5.2	Butterfly valve of 150 mm		Nos	1		-
6	NON - RETURN VALVE :-SITC of NRVwith duel plate of C I body SS plates vulcanized NBR seal flanged end & PN 16 pressure rating for chilled circulation including insulation as above mention in thechilled water pipe and specification as below.					

6.1	125 mm dia		Nos	1		-
7	Pressure gauges with SS siphon tube, and all other accessories and hardware as per instructed and as directed by OIC-ES		Nos	2		-
8	Electrical Panel :- SITC of switch gear items comprising of TPN SFU, HRC fuses, contactor, over load relay, CTS, Ammeter, Selector switch, indication lamp, control fuse, timer etc suitable for 40HP pump. The above items should be accommodate in existing available feeder size as per instructed and as directed by OIC-ES		Lot	1		-
Total						-

- Note:**
1. Agency is suggested to visit the site to know actual scope of work before quoting.
 2. The value shall be exclusive of all taxes
 3. Energy efficient Pump shall be considered.
 4. Work is to be carried out in functional treatment area so with minimum inconvenience to patients & other on going activities to be considered
 5. Deviations/suggestions may be put on separate page in order to attain higher quality performance. Competent authority reserves full right to accept or reject any kind of change.
 6. Agency will have to prepare detailed drawing/plan of work for necessary concurrence before actual execution. Agency will have to make time bound work schedule for carrying out the work.
 7. Agency will have to give guarantee of 1 year for the installations.
 8. Agency will have to maintain the installation by undertaking preventive maintenance on regular basis for smooth operation during defect liability period on quarterly basis. Security deposit will be released after defect liability period.
 9. Payment will be released for consumed quantity on satisfactory completion on providing necessary certifications/documentation etc. Hence before procurement, the agency may make survey of site and bring the required quantity of material.
 10. Bill will be settled as per actual measurement
 11. Factory inspection of Pump to be carried out in presence of ACTREC engineer

Date:

Seal & signature of contractor